INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019001

A. CLASSIFIC	CATION OF SUBJECT MATTER H01L27/10, G11C13/00, G11B7/	24, H01L45/00	
According to Inte	ernational Patent Classification (IPC) or to both nation	al classification and IPC	
B. FIELDS SE	ARCHED		
Minimum docum Int.Cl ⁷	nentation searched (classification system followed by c H01L27/10, G11C13/00, G11B7/	lassification symbols) 24, H01L45/00	
Jitsuyo Kokai Ji		itsuyo Shinan Toroku Koho oroku Jitsuyo Shinan Koho	1996-2005 1994-2005
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		18 - 1
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-512439 A (ENERGY CONINC.), 23 April, 2002 (23.04.02), Full text & WO 1999/054128 A1	VERSION DEVICES,	1-18
А	JP 2001-502848 A (ENERGY CONINC.), 27 February, 2001 (27.02.01), Full text & WO 1998/019350 A1	·	1-18
Further documents are listed in the continuation of Box C. * Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 26 January, 2005 (26.01.05)		Date of mailing of the international search report 08 February, 2005 (08.02.05)	
	g address of the ISA/ ee Patent Office	Authorized officer	
Facsimile No. Form PCT/ISA/210	(second sheet) (January 2004)	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 11-514150 A (ENERGY CONVERSION DEVICES, INC.), 30 November, 1999 (30.11.99), Full text & WO 1997/015954 A1	1-18
A	JP 11-510317 A (ENERGY CONVERSION DEVICES, INC.), 07 September, 1999 (07.09.99), Full text & WO 1997/005665 A1	1-18
A	WO 2003/050872 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 19 June, 2003 (19.06.03), Full text (Family: none)	1-18
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Α	JP 55-008830 Bl (Matsushita Electric Industrial Co., Ltd.), 06 March, 1980 (06.03.80), Full text (Family: none)	1-18
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